

STANDARD  
NO. GR-2

REVISION DATE
7-13-01

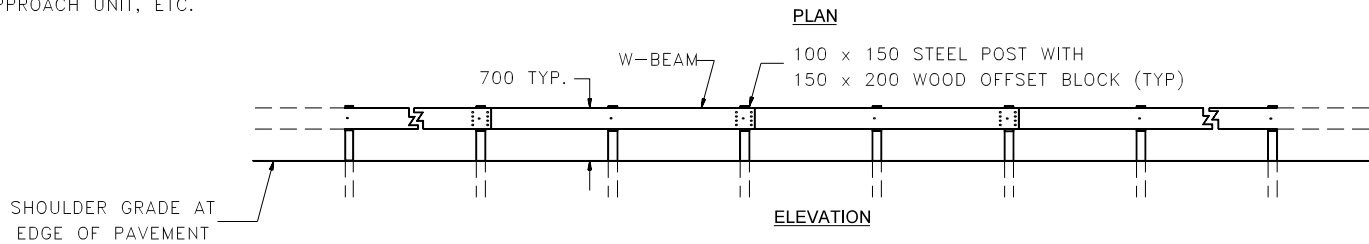
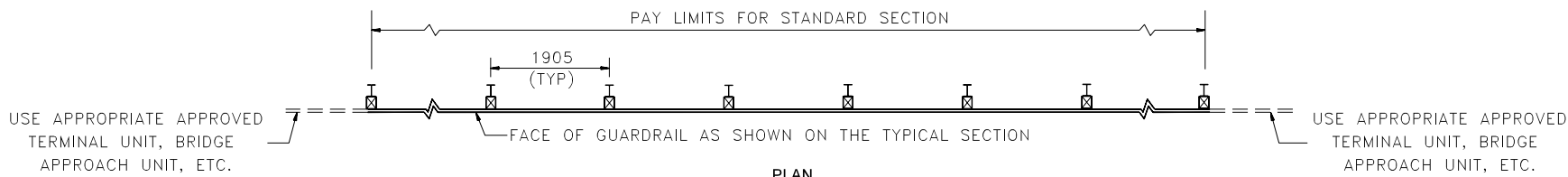
\*.DGN FILE NAME  
GR-2

METRIC  
STANDARD PLANS

STATE OF NEW HAMPSHIRE  
DEPARTMENT OF TRANSPORTATION, CONCORD, N.H.

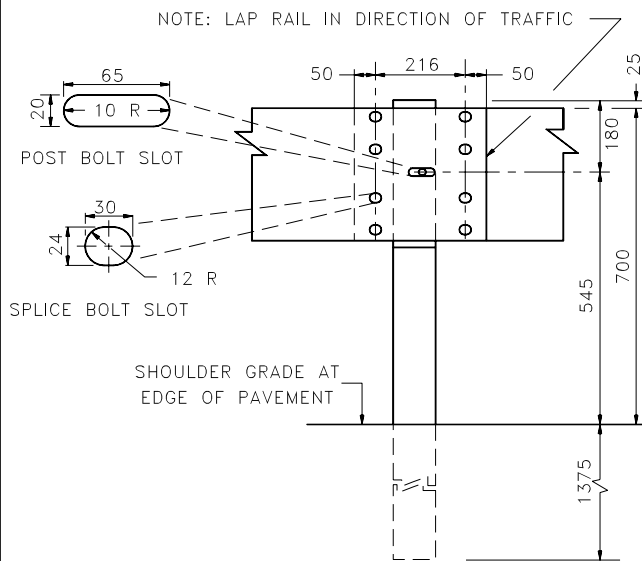
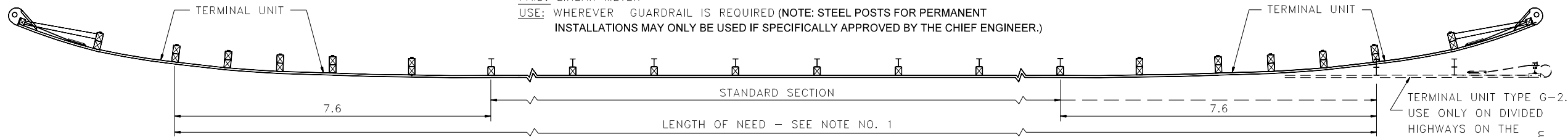


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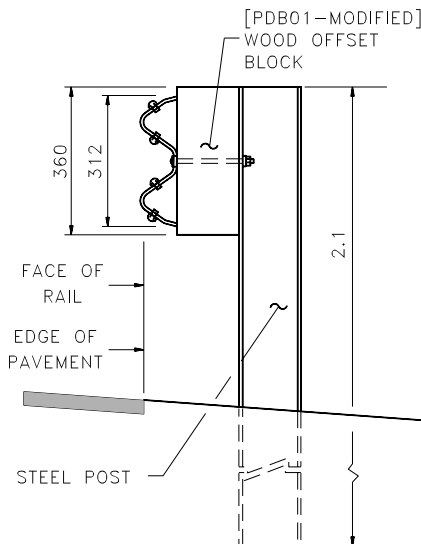


STANDARD SECTION

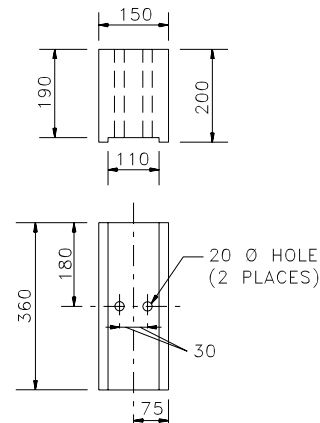
ITEM NO: 606.120-BEAM GUARDRAIL (STANDARD SECTION-STEEL POSTS)  
PAID: LINEAR METER  
USE: WHEREVER GUARDRAIL IS REQUIRED (NOTE: STEEL POSTS FOR PERMANENT INSTALLATIONS MAY ONLY BE USED IF SPECIFICALLY APPROVED BY THE CHIEF ENGINEER.)



LINE POST ELEVATION VIEW AT BEAM SPLICE  
(SHOWN WITHOUT FASTENERS)

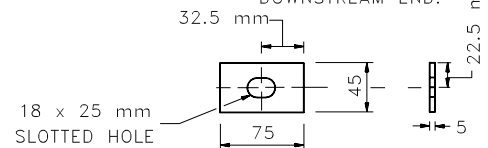
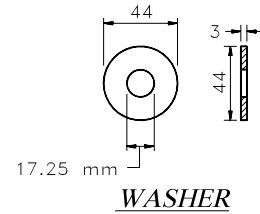


TYPICAL SIDE VIEW  
(SHOWN WITH FASTENERS)



WOOD BLOCK

[PDB01-MODIFIED]

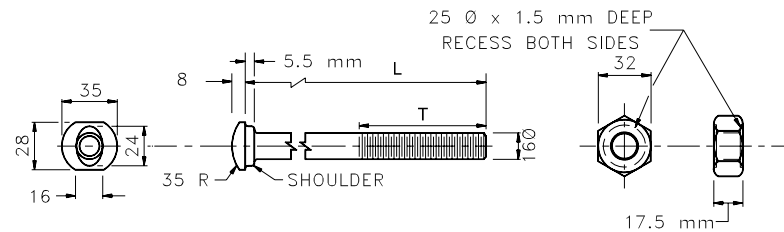


RECTANGULAR PLATE WASHER

[FWR03] (6 REQ'D)  
(SEE NOTE NO. 3)

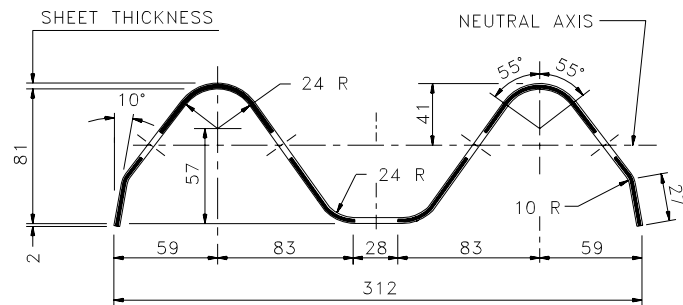
GENERAL NOTES

1. LENGTH OF NEED IS THE TOTAL LENGTH OF A LONGITUDINAL BARRIER NEEDED TO SHIELD AN AREA OF CONCERN. TO DETERMINE THE LENGTH OF NEED, REFER TO THE "ROADSIDE DESIGN GUIDE"- AASHTO, 1996.
2. DESIGNATIONS PROVIDED IN BRACKETS [ ] REFERENCE STANDARD ELEMENTS DETAILED IN "A GUIDE TO STANDARDIZED HIGHWAY BARRIER HARDWARE", 1995, AASHTO-AGC-ARTBA JOINT COOPERATIVE COMMITTEE.
3. THE RECTANGULAR PLATE WASHER [FWR03] IS USED ONLY FOR 11.43 m OF STANDARD SECTION UPSTREAM OF A TERMINAL UNIT TYPE G-2 (SEE STANDARD NO. GR-5).
4. USE 4130 mm LENGTH RAIL ELEMENT IN CURVES OF LESS THAN 100 m RAIL RADIUS.
5. ALL DIMENSIONS SUBJECT TO MANUFACTURER'S TOLERANCES.
6. WHEN GUARDRAIL IS INSTALLED BEHIND CURB, EITHER 1.8 m BEHIND SLOPE CURB ON A CURBED RAMP OR AT THE BACK OF SIDEWALK WITH BARRIER CURB, THE RAIL HEIGHT SHALL BE SET FROM THE GRADE AT THE FACE OF RAIL.



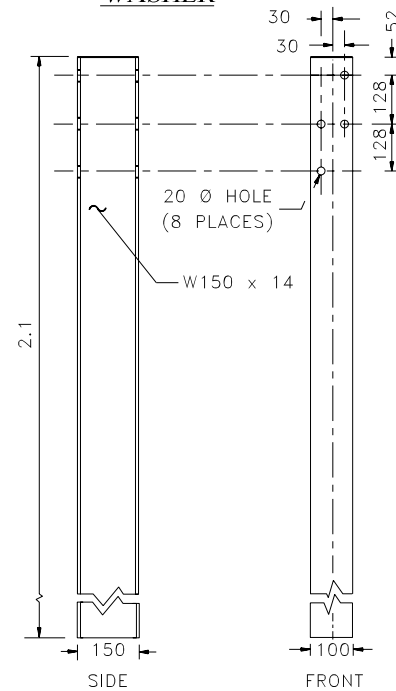
DESIGNATOR	L	T	INTENDED USE
FBB01	35	FULL LENGTH THREAD	RAIL SPLICE BOLTS
FBB02	50	45 mm	POST BOLT (STEEL POSTS)
FBB03	255	100 mm	POST BOLT
FBB04	460	100 mm	POST BOLT (WOOD POSTS)
FBB05	640	100 mm	POST BOLT (DOUBLE-FACED RAIL)

16 mm BUTTON HEAD BOLT AND RECESSED NUT  
[FBB01-05]



SECTION THRU RAIL ELEMENT

[RWM02a] OR [RWM22a]



STRUCTURAL SHAPE  
STEEL POST & BLOCK

[PWE02]

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS OR METERS.  
WHOLE NUMBERS INDICATE MILLIMETERS; DECIMAL  
NUMBERS INDICATE METERS UNLESS OTHERWISE NOTED.

GUARDRAIL STANDARD

BEAM GUARDRAIL  
STANDARD SECTION-STEEL POSTS  
& HARDWARE DETAILS

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